



Idle Adjustment

- (1) Detach the fuses from the fuseholders (F401) fixed on PD1257.
- (2) Connect a DC amperemeter to each fuseholder (F401) (Print terminal is positive.)
- (3) Adjust VR401 to obtain 50mA reading on the meter 1 minute after turning the Power Switch on. (This is for Lch.)
- (4) Same procedures from (1) to (3) should be taken on F501 of PB1258 against Rch.

DC Offset Adjustment

(1) Measure to confirm at the speaker terminals or between R-out and L-out terminals and the ground that DC voltage is within the limit of $\pm 50 \, \text{mV}$.

Replacement Parts List

Exploded View

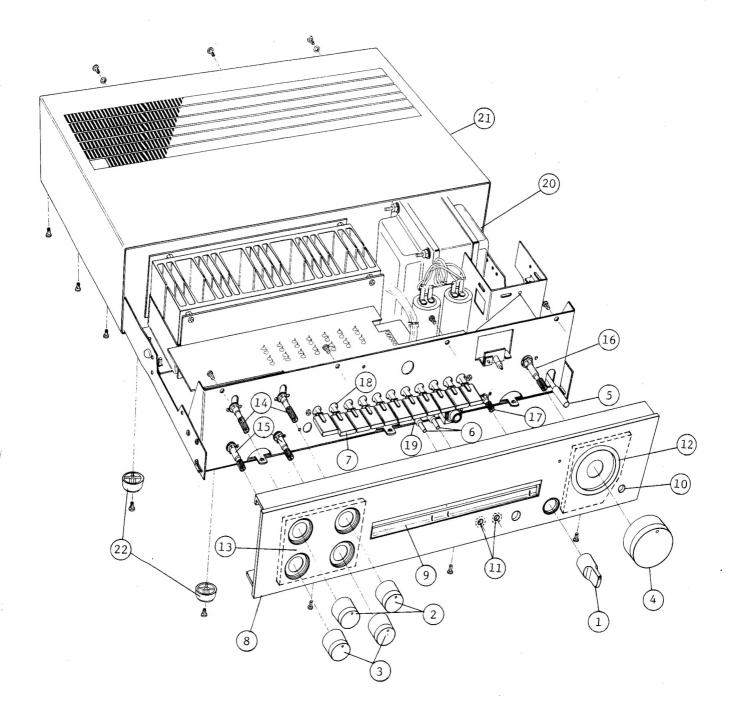
SYMBOL NO.	STOCK NO.	DESCRIPTION
(Knob)		
1	WH1079	Balance
2	WH1080	Treble
3	WH1080	Bass
4	WH1081	Main VR.
5	WJ1089	Power
6	WJ1106	Speaker
7	WJ1107	Select
(Front Par	nel Ass'y)	
8	WA1166	Front Panel
9	WD1089	Escutcheon
10	WE1066	Protector
11	WE1086	Protector
12	WL1062	Name Plate
13	WQ1017	Fiber
	nd Volume)	
14	RV0206	50K Treble VR
15	RV0207	100K Bass VR
16	RV0223	200K Main VR
17	RV0205	250K Balance VR
18	SP0106	Select SW
19	SP0107	Speaker SW
Chassis)		
20	PT2379	Power Trans (U)
20	PT2380	Power Trans (S)
	PT2381	Power Trans (E)
21	UG1010	Bonnet (S,E)
21	UG1010	Bonnet (U)
22	WN0007	Foot

Rear Panel Ass'y

STOCK NO.	DESCRIPTION
AC0002	DIN Connector
AT0080	SP Terminal
UC1133	Rear Panel (S)
UC1134	Rear Panel (E)
UC1135	Rear Panel (U)

Packing Material

STOCK NO.	DESCRIPTION
XA1208	Carton
XB1023	Pad
ME0122	Owner's Manual



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Replacement Parts List

Remarks

Capacitors: C....Ceramic, E....Electrolytic, M....Mylar, G....G Capacitor S....Styrol. T....Tantalum, Mi...Mica, MP....MP Capacitor

S....Styrol, T....Tantalum, Mi...Mica, MP...MP Capacitor O....Oil capacitor, TRIM....Trimmer capacitor, AC...AC Capacitor

BP....Electrolytic Bi-Polar type

Resistors: 10%, 5%, 1/4W, unless specified otherwise

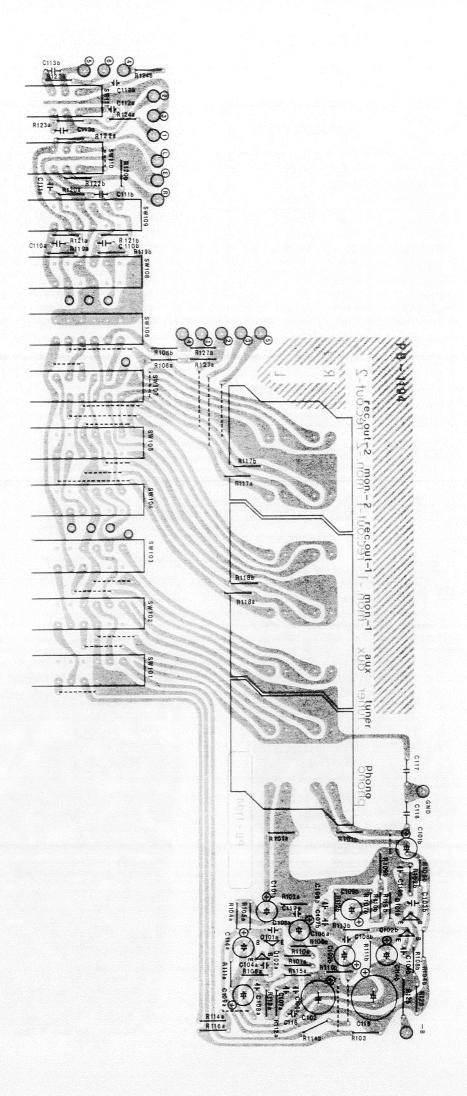
Type: (S)....Model for north European countries (U)....Model for U.S.A. and CANADA

(E)....Standard model (J)....Model for JAPAN

RB-1194B

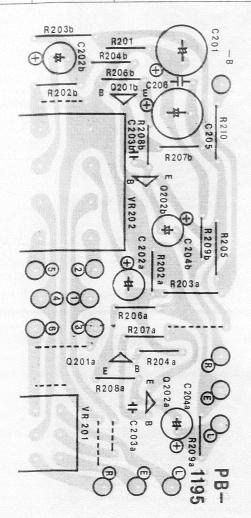
SYMBOL NO.	STOCK NO.	DESCRIPTION
R101ab	RB0224	56K R-25
102ab	0246	470K "
103	0210	15K "
104ab	0254	1M "
105ab	0182	1K "
106ab	0234	150K "
107ab	0174	470 "
108ab	0230	100K "
100ab	0222	47K "
110ab	0180	820 "
111ab	0184	1.2K "
112ab	0220	39K "
112ab	0252	820K "
113ab	0174	470 "
115ab	0204	8.2K "
115ab	0242	330K "
110ab	0254	1M "
117ab	11	11 11
119ab	11	11 11
120ab	11	11 11
120ab 121ab	0202	6.8K "
121ab	11	11 11
123ab	0208	12K "
123ab	0216	27K "
125	RS0066	100 1/4W
126	RB0220	39K R-25
127ab	0234	150K "
12740	0254	
C101ab	CE0173	3.3µF 25V LR E
102	0079	220µF 16V E
102 103ab	CC0008	150pFK C
103ab	CC0038	5pF C
105ab	CE2030	10µF 16V LL E
105ab	CQ0130	0.001µF My
100ab	11	11 11
107ab	CQ0122	0.0068μF "
109ab	CE0189	0.47µF 50V LR E
110ab	CQ0121	0.12µF My
111ab	CQ0330	0.0033µF My
11100	3,3333	

SYMBOL NO.	STOCK NO.	DESCRIPTION
112ab 113ab 114ab 115 116 117 118 119ab add.	CC0011 CQ0031 CE0810 CE0858 CK0145 CK0159	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
SW101∿ 111	SP0106	11-key push sw.
Q101ab 102ab	TRO091 TRO174	2SA836(TO-92) E 2SC1345(TO-92)E



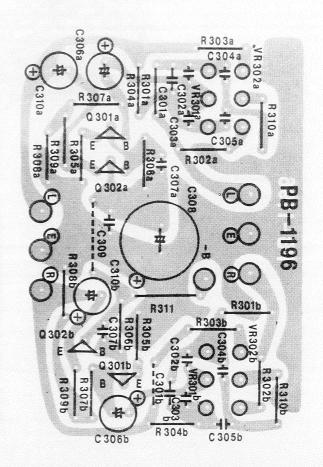
RB1195C

SYMBOL NO.	STOCK NO.	DESCRIPTION
R201	RB 0218	33K R-25
202ab	0246	470K "
203ab	RD 0004	1M 1/4W
204ab	RB 0190	2.2K R-25
205	RD 0022	47K 1/4W
206ab	RB 0182	1K R-25
207ab	RB 0214	22K "
208ab	RB 0198	4.7K "
209ab	RB 0242	330K "
210	RS 0080	270 1/4W
C201	CE0821	100µF 16V E
202ab	CE0183	1µF 50V LR E
203ab	CC0037	5pF C
204ab	CE0173	3.3µF 25V LR E
205	CE0843	100µF 35V E
206	CK0145	0.022µF C
VR201	RV0205	250K-MN balance
VR202	RV0223	200KBx2 main VR
Q201ab	TR0091	2SA836 (TO-92)
202ab	TR0174	2SC1345 (TO-92)



PB-1196B

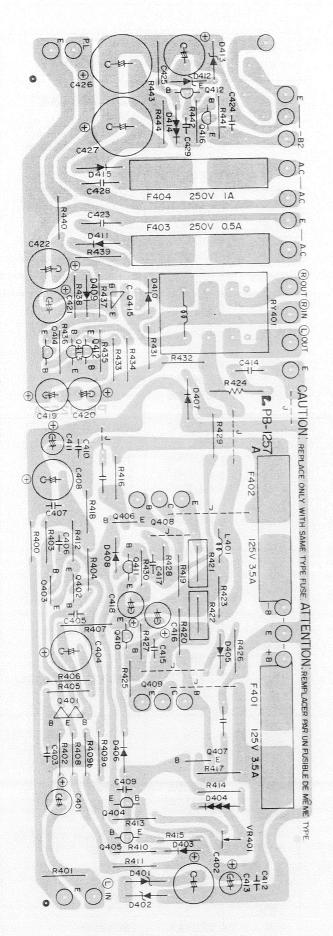
SYMBOL NO.	STOCK NO.	DESCRIPTION
R301ab 302ab 303ab	RB0212 RB0186	18K R-25 1.5K "
R304ab 305ab 306ab	RB0212 0190 0216	18K R-25 2.2K " 27K "
307ab 308ab 309ab 310ab	0234 0182 0200 0188	150K 1K " 5.6K " 1.8K "
311 C301ab	RS0068	180 1/4W 0.022µF My
302ab 303ab 304ab 305ab	CQ0130 CQ0334	1000pF " " " " " " " " " " " " " " " " " " "
306ab 307ab 308	CE0173 CC0012 CE0844	3.3µF 25V LR E 10pF C 220µF 35V E
309 VR301ab 302ab	RV0207 RV0206	0.022μF C 100KB 50KB
Q301ab	TR0091	2SA836 (TO-92)



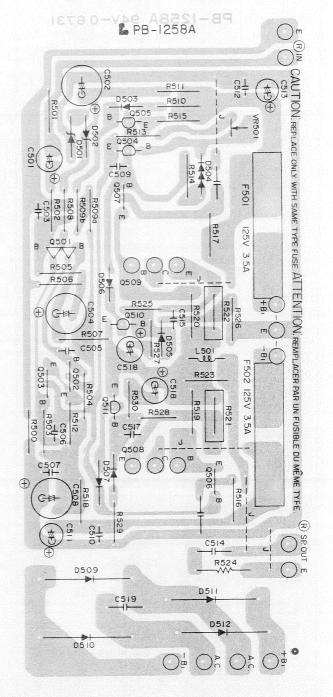
PB-1257

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SYMBOL NO.	STOCK NO.	DESCRIPTION
R401	RD0017 RD0039	100K 1/4 2.2K 1/4
402	RD0039	1K "
403	11 11	11 11
404	RD0030	10K "
406	RD0049	390 1/4
407	RD0030	10K "
408	RD0028	15K "
409ab	RD0036	3.9K "
410	RS1048	39 1/4W
411	RS2525	1.2K 1/2W
412	RS1046	33 1/4W
413	RD0047	560 1/4W
414	RD0051	270 1/4W
415	RS1048	39 1/4W
416	RS2501	10 1/2W
417	11	11 11
418	RS2510	68 1/2W
419	RS2513	120 1/2W
420	11	" "
421	RG3314	0.33 cement
422	"	
423	RS2501	10 1/2W
424	RS2708	15 1W
425	RB0156	82 R-25 1.8K R-50
426	RD0128	680 R-25
427	RB0178 RB0156	82 R-25
428	RD0138	1.8K R-50
429 430	RB0178	680 R-25
430	RD0024	33K 1/4W
432	"	11 11
433	RD0030	10K 1/4W
434	RD0039	2.2K 1/4W
435	RD0033	6.8K 1/4W
436	RD0042	1.2K 1/4W
437	RD0035	4.7K 1/4W
438	RD0015	150K 1/4W
439	RS2501	10 1/2W
440	RS2526	1.5K 1/2W
441	RD0024	3.3K 1/4W
442	RS0079	120 1/4W
443	RD0021	56K 1/4
444	RS2512	100 1/2W 4.7K 1/4
ADD.	RD0035	4.7K 1/4
C401	CE0173	3.3µF 25V LR E
402	CE0093	33μF 35V E
702	CE0841	33µF 35V E
403	CC0071	150pF C
404	CE0078	100μF 16V E
	CE0821	100µF 16V E
405	CC0157	15pF C
406	CC0158	33pF C
407	CK0146	0.04μF C
408	CE0451	33µF BP 50V(U)E
	CE0961	33μF BP 50V(U)E
	CE0102	47μF 50V(E) E
	CE0857	47μF 50V(E) E

SYMBOL NO.	STOCK NO.	DESCRIPTION
C408	CE0102	47μ F 50V (S)E
409	CK0146	0.04μF C
410	11	" C
411	CE0317	2.2µF BP 50V E
477	CE0956	2.2pr bi 50. E
412	CK0146	0.04µF C
413	CE0317	2.2µF BP 50V E
413	CE0956	11 11 11 11
414	CQ0606	0.047µF F
415	CQ0010	
415	CE0076	
410		33μF 16V E
417	CE0819	
417	CQ0010	0.039μF My
418	CE0076	33μF 16V E
/10	CE0819	E
419	CE0069	100μF 10V E
/ 20	CE0811	E
420	CE0069	" " E
/ 01	CE0811	E.
421	CE0069	L
	CE0811	E
422	CE0145	100μF 25V E
/ 22	CE0832	E
423	CK0203	0.01µF C
424	CQ0007	0.068μF My
425	CE0095	100μF 35V E
4.26	CE0843	
426	CE1079	470μF 50V E
4.27	CE0861	" " E
427	CE0146	220µF 50V E
/ 20	CE0859	220μF 50V E
428 429	CK0203	0.01μF C 100pF C
429	CC0007	100pF C
D401	TD0109	WZ-150 zener
402	100109	wz-130 zener
402	TD0016	1S1555
404	TV0020	STV-3H varistor
405	TD0016	1S1555
406	100010	131333
407	11	11
408	11	17
409	11	11
410	11	11
411	TD0002	1N4002
412	TD0124	WZ-172 zener
413	11	11 11
414	TV0030	KB-265C4 varistor
415	TD0002	1N4002
Q401	TR0284	2SA979-13-G
402	TR0196	2SD668
403	11	11
404	TR0146	2SC1740
405	TR0197	2SB716
406	TR0286	2SB649
407	TR0279	2SD669
408	TR0285	2SA1104 power



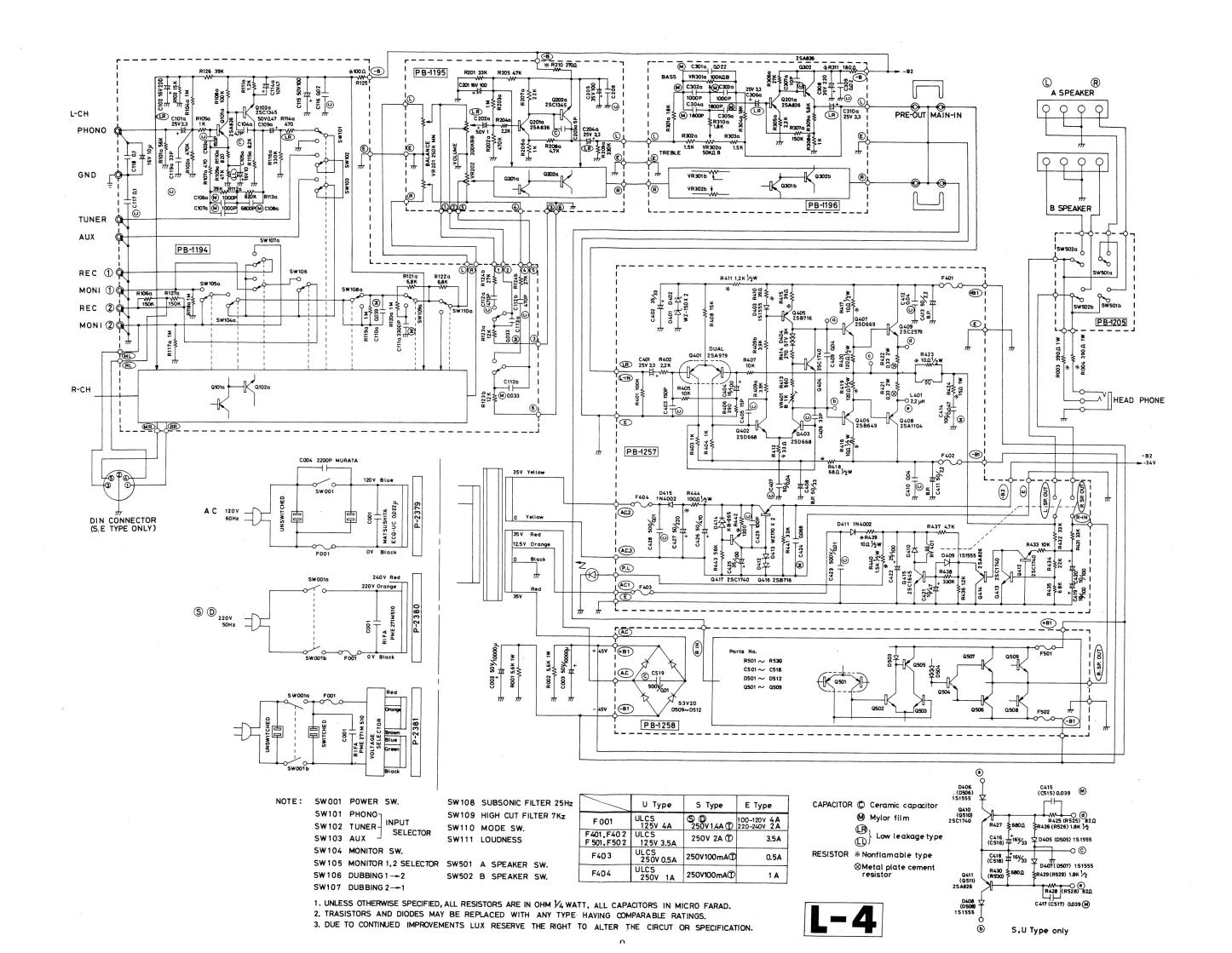
SYMBOL NO.	STOCK NO.	DESCRIPTION
Q409	TR0287	2SC2579 power
410	TR0146	2SC1740
411	TR0148	2SA826
412	TR0146	2SC1740
413	11	11
414	TR0148	2SA826
415	TR0259	2SC2120
415	TR0319	2SC1344
416	TR0197	2SB716
417	TR0146	2SC1740
RY401	AY0046	Relay GZ-12H
L401	LA1004	Choke 627



PB1258A

SYMBOL NO.	STOCK NO.	DESCRIPTION
R501 502 503	RDO017 RDO039 RDO043	100K 1/4W 2.2K 1/4W 1K 1/4W
504 505 506 507 508 509ab 510 511 512 513	RDO030 RDO049 RDO030 RDO028 RDO036 RS1048 RS 2525 RS1046 RDO047	10K 1/4W 390 " 10K 1/4W 15K 1/4W 3.9K 1/4W 39 1/4W 1.2K 1/4W 33 1/4W 560 1/4W
514 515 516 517 518 519	RD0051 RS1048 RS2501 "RS2510 RS2513	270 1/4W 39 1/4W 10 1/2W " " 68 1/2W 120 1/2W
520 521 522 523 524 525	RG3314 "RS2501 RS2708 RB0156	0.33 cement " 10 1/2W 15 1W 82 R-25
526 - 527 528 529 530	RD0128 RB0178 RB0156 RD0128 RB0178 RD0039	1.8K R-50 680 R-25 82 R-25 1.8K R-50 680 R-25 2.2K 1/4W
C501 502 503 504 505 506 507 508	CE0173 CE0841 CC0071 CE0821 CC0157 CC0158 CK0146 CE0961	2.2µF 25V LR E 33µF 35V E 150pF C 100µF 16V E 15pF C 33pF C 0.04µF C 33µF 50V BP E 0.04µF C
509 510 511 512	CK0146 "CE0956 CK0146	2.2μF 50V BP E 0.04μF C

SYMBOL NO.	STOCK NO.	DESCRIPTION
513 514 515 516 517 518	CE0956 CQ0616 CQ0010 CE0819 CQ0010 CE0819	2.2µF 50V BP E 0.047µF F 0.039µF My 33µF 16V E 0.039µF My 33µF 16V E
519 D501 502 503 504	TD0016 TV0020	0.01µF C WZ-150 zener "" 1S1555 STV-3H varistor
505 506 507 508 509	TD0016 TD0016 "" TD0105	181555 181555 " " 83V20
5 512	"	"
Q501 502 503	TR284 TR0196	2SA979-13-C 2SD668
504 505 506 507 508	TR0146 TR0197 TR0286 TR0279 TR0285	2SC1740 2SB716 2SB649 2SD669 2SA1104 power
509 510 511	TR0287 TR0146 TR0148	2SC2579 power 2SC1740 2SA826
L501 VR501	LA1004 RT0015	Choke 627
.11301	AH0003 AH0028 BE1060	Fuse Holder(E)(U) " " (S) Heat Sink 1060
F501	BF0080 BF0120 BF0210	Fuse 3.5A (U) " 3.5A (E) " 2A (T)(S)
F502	BF0210 BF0080 BF0120 BF0210	Fuse 3.5A (U) " 3.5A (E) " 2A (T)(S)



L-4 SPECIFICATIONS

Power Output:	55 watts minimum continuous per channel both channels driven into 8-ohm loads at any frequency from 20Hz to 20,000Hz with no more than 0.02% total harmonic distortion.	
Rated I.M.:	no more than 0.02% (8 ohms, 55W/ch, 60Hz : 7 kHz = 4 : 1)	
Frequency Response:	10Hz — 100kHz (within —1dB)	
Input Sensitivity & Input Impedance:	PHONO TUNER AUX MONITOR-1 MONITOR-2 MAIN-IN	2.5mV 50k ohms 150mV 50k ohms 150mV 50k ohms 150mV 50k ohms 150mV 50k ohms 800mV
Signal-to-Noise Ratio: (input short-circuited)	PHONO TUNER AUX MONITOR-1 MONITOR-2 MAIN-IN	better than 92dB (IHF-A weighted, 10mV) better than 95dB (IHF-A weighted) better than 100dB (IHF-A weighted)
Residual Noise:	no more than 1mV	
Tone Control:	LUX NF type	
Filter:	High Cut Subsonic	7kHz (—6dB/oct.) 25Hz (—6dB/oct.)
Channel Separation:	PHONO AUX	better than 70 dB better than 80 dB
Additional Features:	Tape Monitor (dual), Tape Dubbing, Loudness Control, Mode Selector, Speaker Switch, Extra AC Outlets (E-type, U-type only), DIN Connector (E-type, S-type only), signal processing Terminals. Time-Delay Muting, Speaker Protection by Sensing DC.	
Dimensions:	438(W) x 289(D) x 105(H) (17-1/4" x 11-3/8" x 4-1/8") (including Legs, Rear Protrusions and Knobs)	
Weight:	Net 9.5kgs (20.9 lbs.) Gross 11.0kgs (24.2 lbs.)	

Specifications and appearance design subject to change without notice.